

METHOD OF ADJUSTING THE VELOCITY OF A PRINthead CARRIAGE ACCORDING TO THE TEMPERATURE OF THE PRINT-HEAD

Abstract

A method for controlling printing quality in an inkjet printer having a printhead with a plurality of nozzles. The printhead is mounted in a carriage, and the carriage is moved to repeatedly pass the printhead across a print medium in individual swaths. The method includes firing individual nozzles repeatedly during each swath to apply an ink pattern to the print medium, measuring the temperature of the printhead prior to each swath, comparing the temperature of the printhead to at least one reference temperature, and if the temperature of the printhead is greater than the reference temperature, raising the velocity of the carriage during the upcoming swath for ensuring that a distance ink is ejected from the printhead to the print medium is kept substantially constant during each swath.